

Model Number 103B02	ACOUSTIC ICP PRESSURE SENSOR		Revision B ECN #: 40794						
Performance Measurement Range Useful Overrange Sensitivity ($\pm 15\%$) Maximum Pressure Resolution Resonant Frequency Rise Time Low Frequency Response (-5%) Non-Linearity	ENGLISH 3.00 psi 6.00 psi 1500 mV/psi 250 psi 0.02 mpsi ≥ 13 kHz ≤ 25 μ sec 5 Hz $\leq 2.0\%$ FS	SI 180.3 dB 186.3 dB 217.5 mV/kPa 1724 kPa 77 dB ≥ 13 kHz ≤ 25 μ sec 5 Hz $\leq 2.0\%$ FS	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) M - Metric Mount Supplied Accessory: Model 060A24 Clamp nut M14 x 1.25-6G thd 11 mm hex 17-4 SS material Notes [1] For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias. [2] Zero-based, least-squares, straight line method. [3] See PCB Declaration of Conformance PS023 for details.						
Environmental Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Flash Temperature Maximum Shock	≤ 0.0005 psi/g -100 to 250 °F $\leq 0.2\%$ /°F 1000 °F 1000 g pk	≤ 0.0035 kPa/(m/s ²) -73 to 121 °C $\leq 0.36\%$ /°C 538 °C 9807 m/s ² pk	Supplied Accessories 060A10 Clamp nut 1/2-20-2A thd 7/16" hex (1) 065A66 Adhesive Mounting Ring (3) 160-0242-00 O-ring .250x.375(2-0100) (3)						
Electrical Discharge Time Constant (at room temp) Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage	≥ 0.1 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 7 to 13 VDC	≥ 0.1 sec 20 to 30 VDC 2 to 20 mA ≤ 100 Ohm 7 to 13 VDC							
Physical Sensing Element Housing Material Diaphragm Sealing Electrical Connector Weight	Ceramic Stainless Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack 0.11 oz	Ceramic Stainless Steel 316L Stainless Steel Steel Welded Hermetic 10-32 Coaxial Jack 3.15 gm							
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>									
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